

## ACRONYMS AND ABBREVIATIONS

A-A	Air-to-Air	CV	Coefficient of Variation
A-G	Air-to-Ground	CVTS	Cooperative Vessel Traffic Service
A-S	Air-to-Surface	CWA	Clean Water Act
AAMEX	Air-to-Air Missile Exercise	CZMA	Coastal Zone Management Act
AAW	Anti-Air Warfare	dB	Decibel
ACM	Air Combat Maneuvering	dB/km	Decibel Per Kilometer
ADAR	Air Deployed Active Receiver	DDT	Dichloro-Diphenyl-Trichloroethane
ADC	Acoustic Device Countermeasures	DFOC	Department of Fisheries and Oceans, Canada
ADLFP	Air Deployable Low Frequency Projector	DICASS	Directional Command Activated Sonobuoy System
AESA	Active Electronically Scanned Array	DIFAR	Directional Frequency and Ranging
AESO	Aircraft Emission Support Office	DLCD	Department of Land Conservation and Development
AMRAAM	Advanced Medium-Range Air-to-Air Missile	DO	Dissolved Oxygen
AMSP	Advanced Multi-static Processing Program	DOC	Department of Commerce
AMW	Amphibious Warfare	DoD	Department of Defense
APPS	Act to Prevent Pollution from Ships	DoN	Department of Navy
ARS	Advanced Ranging Source	DOPAA	Description of Proposed Action and Alternatives
ARTCC	Air Route Traffic Control Center	DPU	Distinct Population Unit
ASUW	Anti-Surface Warfare	DTR	Detonation Training Range
ASW	Anti-Submarine Warfare	DU	Depleted Uranium
ATC	air traffic control	DZ	Drop Zone
ATCAA	Air Traffic Control Assigned Airspace	E	East
ATSDR	Agency for Toxic Substances and Disease Registry	EA	(1) Electronic Attack (2) Environmental Assessment
BA	Biological Assessment	EC	Electronic Combat
BAMS	Broad Area Maritime Surveillance	EDMS	Emission and Dispersion Modeling System
BDA	Battle-Damage Assessment	EER	Extended Echo Ranging
BDU	Bomb Dummy Unit	EEZ	Exclusive Economic Zone
BE	Biological Evaluation	EFD	Energy Flux Density
BFM	Basic Fighter Maneuvering	EFH	Essential Fish Habitat
BMP	Best Management Practice	EFSEC	Energy Facility Site Evaluation Council
BO	Biological Opinion	EIS	Environmental Impact Statement
BOMBEX	Bombing Exercise	EMATT	Expendable Mobile ASW Training Target
BUD/S	Basic Underwater Demolition/SEAL	EMR	Electromagnetic Radiation
CAA	Clean Air Act	EO	Executive Order
CAAQS	California Ambient Air Quality Standards	EOD	Explosive Ordnance Disposal
CARB	California Air Resources Board	EODMU-11	Explosive Ordnance Disposal Mobile Unit Eleven
CCA	California Coastal Act	EPA	Environmental Protection Agency
CEQ	Counsel on Environmental Quality	EPCRA	Emergency Planning and Community Right-to-Know Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	ES	(1) Executive Summary (2) Electronic Support
CFMETR	Canadian Forces Maritime Experimental and Test Ranges	ESA	Endangered Species Act
CIWS	Close-in-Weapon System	ESG	Expeditionary Strike Group
CMP	Coastal Management Plan	ESU	Evolutionary Significant Unit
CNO	Chief of Naval Operations	EXTORP	Running Torpedo Exercise
CNRNW	Commander, Navy Region Northwest	°F	Degrees Fahrenheit
CO	Carbon Monoxide	FAA	Federal Aviation Administration
COMNAVSURFPAC	Commander, Naval Surface Force, U.S. Pacific fleet	FACSFAC	Fleet Area Control and Surveillance Facility
COMPACFLT	Commander, U.S. Pacific Fleet	FAST	Floating At-Sea Target
COMPTUEX	Composite Training Unit Exercise	FCLP	Field Carrier Landing Practice
COMSUBPAC	Commander, Submarine Force U.S. Pacific Fleet	FDFN	Forward Deployed Naval Forces
CPF	Commander, Pacific Fleet	FONSI	Finding of No Significant Impact
CPRW-10	Commander, Patrol and Reconnaissance Wing TEN	FRP	Fleet Response Plan
CPS	Coastal Pelagic Species	FRTP	Fleet Response Training Plan
CSG	Carrier Strike Group	ft	Feet
CT	computed tomography		
CUPA	Certified Unified Program Agency		

f <sup>2</sup>		Square Feet			Conservation Management Act
FWPCA		Federal Water Pollution Control Act	N		Nitrogen
GHG		greenhouse gas	NAAQS		National Ambient Air Quality Standards
GIS		Geographic Information Systems	NAS		Naval Air Station
GSE		Ground Support Equipment	NASWI		Naval Air Station Whidbey Island
GUNEX		Gun Exercise	NATO		North Atlantic Treaty Organization
HAPC		Habitat Area of Particular Concern	NAVFAC NW		Naval Facilities Engineering Command Northwest
HARMEX		High-Speed Anti-Radiation Missile Exercise	NAVFAC PAC		Naval Facilities Engineering Command Pacific
HAZMINCEN		Hazardous Material Minimization Center	NAVMAG		Naval Magazine
HE		High Explosive	NAVSEA		Naval Sea Systems Command
HLX		cyclotetramethylenetetranitramine	NAVSPECWARCOM		Naval Special Warfare Command
HP		Historic Property	NAVSTA		Naval Station
HRST		Helicopter Rope Suspension Training	NBK		Naval Base Kitsap
HSMST		High Speed Maneuverable Surface Target	NEP		National Estuary Program
Hz		Hertz	NEPA		National Environmental Policy Act
I MEF		I Marine Expeditionary Force	NEW		Net Explosive Weight
IAEA		International Atomic Energy Agency	NFEC		Naval Facilities Engineering Command
ICAP		Improved Capability	NHPA		National Historic Preservation Act
ICRMP		Integrated Cultural Resources Management Plan	Nm		nautical miles
IED		Improved Explosive Device	NMFS		National Marine Fisheries Service
IEER		Improved Extended Echo Ranging	NMML		National Marine Mammal Laboratory
IFR		Instrument Flight Rules	NO2		nitrogen dioxide
IMPASS		Integrated Maritime Portable Acoustic Scoring and Simulator Systems	NOAA		National Oceanic and Atmospheric Administration
INRMP		Integrated Natural Resources Management Plan	NOI		Notice of Intent
IOC		Initial Operational Capability	NOTAM		Notice to Airmen
ISR		Intelligence, Surveillance, and Reconnaissance	NOTMAR		Notice to Mariners
ISTT		Improved Surface Tow Targets	NOx		Nitrogen Oxide
IUPAC		International Union of Pure and Applied Chemistry	NPDES		National Pollutant Discharge Elimination System
JATO		Jet Assisted Take-Off	NPS		National Park Service
JTFEX		Joint Task Force Exercise	NRC		National Research Council
kHz		Kilohertz	NSCT-1		Naval Special Clearance Team ONE
Km		Kilometer	NSW		Naval Special Warfare
kts		Knots	NSWC		Naval Surface Warfare Center
lb		Pound	NSWG		Naval Special Warfare Group
LMRS		Long-term Mine Reconnaissance System	NSWG-3		Naval Special Warfare Group Three
LOA		Letter of Authorization	N-UCAS		Navy Unmanned Combat Air System
LOP		Letter of Procedure	NUWC		Naval Undersea Warfare Center
LQG		Large Quantity Generator	NWSTF		Naval Weapons Systems Training Facility
LZ		Landing Zone	NWTRC		Northwest Training Range Complex
m		Meter	OAAQS		Oregon Ambient Air Quality Standards
m <sup>2</sup>		Square Meter	OAR		Oregon Administrative Rules
MBARI		Monterey Bay Area Research Institute	O3		Ozone
MBTA		Migratory Bird Treaty Act	OCE		Officer Conducting the Exercise
MCM		Mine Countermeasures	OCMP		Oregon Coastal Management Program
METOC		Meteorological and Oceanographic Operations	OCNMS		Olympic Coast National Marine Sanctuary
MEU		Marine Expeditionary Unit	ODEQ		Oregon Department of Environmental Quality
MFA		Mid-Frequency Active	OEIS		Overseas Environmental Impact Statement
min		Minute	OLF		Outlying Landing Field
MINEX		Mine Laying Exercise	OPA		Oil Pollution Act of 1990
MIW		Mine Warfare	OPAREA		Operating Area
MMA		Multi-mission Maritime Aircraft	OPFOR		Opposition Force
MMPA		Marine Mammal Protection Act	OPNAV		Office of the Chief of Naval Operations
MMR		Military Munitions Rule	OPNAVINST		Chief of Naval Operations Instruction
MOA		Military Operating Area	ORMA		Ocean Resources Management Act
MPA		Maritime Patrol Aircraft	OTB		Over the Beach
MRA		Marine Resource Assessment	PA		Programmatic Agreement
MRUUV		Mission Reconfigurable Unmanned Undersea Vehicle	PAC		pre-action calibration and alignment
ms		Millisecond	PACFLT		Pacific Fleet
MSL		Mean Sea Level	PACNW		Pacific Northwest
MSFCMA		Magnuson Stevens Fishery			

PADS	Portable Air Defense System	SSG	Surface Strike Group
PAH	Polycyclic Aromatic Hydrocarbons	SSGN	Guided Missile Submarines
PBX	Plastic Bonded Explosives	STW	Strike Warfare
PCB	Polychlorinated Biphenyl	SUA	Special-Use Airspace
PCE	primary constituent element	SUBASE	Submarine Base
PCFA	Pacific Coast Feeding Aggregation	SURTASS	Surveillance Towed Array Sensor System
PFMC	Pacific Fishery Management Council	SUS	Signal, Underwater Sound
pH	Alkalinity	TALDs	Tactical Air Launched Decoys
PM	Program Manager	TAP	Tactical Training Theater Assessment Planning
PM10	Particulate Matter up to 10 micrometers	TDU	Target Drone Unit
PMAP	Protective Measures Assessment Protocol	TFR	Temporary Flight Restriction
PMAR	Navy Primary Mission Area	TMDL	Total Maximum Daily Load
PNEC	probable no effect concentration	TNT	Trinitrotoluene
ppb	parts per billion	TOC	Total Organic Carbon
ppt	parts per thousand	TORPEX	Torpedo Exercise
psi	pounds per square inch	TRACKEX	Tracking Exercise
PSC	Pacific Salmon Commission	TRADET	Training Detachment
PSWQAT	Puget Sound Water Quality Action Team	TSCA	Toxic Substances Control Act
PTS	Permanent Threshold Shift	TSDR	Transfer, Storage, or Disposal or Recycle
PUTR	Portable Undersea Tracking Range	TTS	Temporary Threshold Shift
R-	Restricted Area	TM	Tympanic Membrane
RCD	Required Capabilities Document	UAS	Unmanned Aerial System
RCRA	Resource Conservation and Recovery Act	UAV	Unmanned Aerial Vehicle
RCW	Revised Code of Washington	ULT	Unit Level Training
RDT&E	Research, Development, Test and Evaluation	UNDET	Underwater Detonation
RDX	(1) Royal Demolition Explosive (2) Research Department Explosive	UNDS	Uniform National Discharge Standards
RF	Radio Frequency	UNEP	United Nations Environment Programme
RHA	Rivers and Harbors Act	U.S.	United States
RHIB	Rigid Hull Inflatable Boats	USACE	U.S. Army Corps of Engineers
RIMPAC	Rim of the Pacific Exercise	USAF	U.S. Air Force
ROD	Record of Decision	U.S.C.	United States Code
ROG	Reactive Organic Gases	USCG	United States Coast Guard
ROI	region of influence	USEPA	U.S. Environmental Protection Agency
S	South	USFF	United States Fleet Forces
S-A	Surface-to-Air	USFWS	United States Fish and Wildlife Service
S-S	Surface-to-Surface	USGS	U.S. Geological Survey
SAM	Surface-to-Air Missile	USMC	United States Marine Corps
SAMEX	Surface to Air Missile Exercise	USN	United States Navy
SAR	Search and Rescue	USW	Undersea Warfare
SBU's	Special Boat Units	USWTR	Undersea Warfare Training Range
SCI		UUV	Unmanned Underwater Vehicle
SDVT-1	SEAL Delivery Vehicle Team ONE	UXO	Unexploded Ordnance
SEAD	Suppression of Enemy Air Defenses	VFR	Visual Flight Rules
SEAL	Sea, Air, Land	VTNF	Variable, Timed, Non-Fragmentation
SEPA	State Environmental Policy Act	VTUAS	Vertical Takeoff And Landing Unmanned Aerial System
SEPTAR	Seaborne Powered Targets	VTS	Vessel Traffic Service
SFA	Sustainable Fisheries Act	W	West
SINKEX	Sinking Exercise	W-	Warning Area
SIP	State Implementation Plan	WAAQS	Washington Ambient Air Quality Standards
SMA	Shoreline Management Act	WAC	Washington Annotated Code
SME	Subject Matter Experts	WDFW	Washington Department of Fish and Wildlife
SMS	Sediment Management Standard	WDNR	Washington Department of Natural Resources
SO2	Sulfur Dioxide	WDOE	Washington State Department of Ecology
SOCAL	Southern California	WFWO	Washington Fish and Wildlife Office
SOF	Special Operations Forces	WHO	World Health Organization
SONAR	Sound Navigation And Ranging	WSDE	Washington State Department of Ecology
SOP	Standard Operating Procedure		
SPAWAR	Space and Naval Warfare Systems		
SPIE	Special Purpose Insertion and Extraction		
SQG	Small Quantity Generator		
SSBN	Nuclear-Powered Ballistic Missile Submarine		

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